Ontario

Ministry of Northern Development and Mines

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

GDIF 479(CO)

CLARKSON TOWNSHIP

DISTRICT OF NIPISSING

Compiled by the Staff of
the Resident Geologist's Office
Cobalt

LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO Mineral Development Exploitation Minérale

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

89-04609

NTS Number 31L/11

Mining Claim Map Number M-720

This project is part of the Canada-Ontario Mineral Development Agreement (COMDA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1989: Clarkson Township, District of Nipissing, Ontario Geological Survey Geological Data Inventory Folio 479, Compiled by the staff of the Resident Geologist's Office, Cobalt, 18 pages and 2 maps.

Original Compilation by: Patricia Anderson, January 18, 1988

Date	Page Revised	Revised by

Date	Page Revised	Revised by

CLARKSON TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - Map 1
Exploration Data Map - Map 1
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

CLARKSON TOWNSHIP

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	No	D.P.A.
3	ODM General Index; 9 Volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	No	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	No	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	Miscellaneous Papers: ODM & OGS	Yes	D.P.A.
16	ODM Geological Circulars: OGS Study Series	No	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	No	D.P.A.
18	ODM – OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	No	D.P.A.
22	Theses on File, Cobalt	No	D.P.A.
23	Aerial photographs on File, Toronto	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

Δ anh. . . . . .Anhydrite	Δ fu. . . . . .Fuchsite	Δ Ni. . . . . Nickel	Δ st. . . . . .Stone
Δ ank. . . . . .Ankerite	Δ gn. . . . . Galena	Δ Nb . . . . . .Niobium	Δ talc. . . . . .Talc
Δ anna . . . . . Annabergite	▲ gt. . . . . Garnet	Δ Pd . . . . . Palladium	Δ Te . . . . . Tellurium
Δ ap. . . . . .Apatite	Δ goe. . . . . .Goethite	Δ peat . . . . . .Peat	Δ td. . . . . Tetrahedrite
Δ arg . . . . . Argentite	Δ Au . . . . . Gold	Δ pent . . . . . Pentlandite	Δ th. . . . . .Thorite
Δ As . . . . . .Arsenic	▲ gf. . . . . .Graphite	Δ Pt. . . . . .Platinum	Δ Th . . . . . .Thorium
Δ asp . . . . . .Arsenopyrite	Δ gl . . . . . Gravel	▲ py . . . . . .Pyrite	Δ thuc . . . . . Thucholite
Δ asb . . . . . .Asbestos	Δ gyp. . . . . Gypsum	Δ pyl . . . . . Pyrochlore	Δ ti . . . . . Titanite
Δ ba. . . . . .Barite	Δ hem . . . . . Hematite	Δ pyrl . . . . . .Pyrolusite	Δ Ti. . . . . Titanium
Δ be. . . . . .Beryl	Δ il . . . . . .Ilmenite	▲ po . . . . . .Pyrrhotite	Δ tour . . . . . .Tourmaline
Δ Bi. . . . . .Bismuth	Δ Fe . . . . . .Iron	Δ q . . . . . .Quartz	Δ trap . . . . . .Trap rock
Δ bn . . . . . .Bornite	Δ iF. . . . . Iron Formation	Δ qcv. . . . .Quartz carbonate vein	Δ W. . . . . Tungsten
Δ bran . . . . . .Brannerite	Δ jas . . . . . Jasper	Δ ra. . . . . .Radioactive minerals	Δ uran . . . . . Uraninite
Δ bruc . . . . . .Brucite	Δ kaol . . . . . .Kaolinite (kaolin)	Δ RE . . . . . .Rare Earths	Δ U . . . . . .Uranium
Δ Cd . . . . . Cadmium	Δ ky . . . . . Kyanite	Δ sd. . . . . Sand	Δ verm . . . . . .Vermiculite
Δ calc. . . . . .Calcite	Δ Pb . . . . . Lead	Δ sgl . . . . . Sand and gravel	Δ Y . . . . . Yttrium
Δ carb . . . . . .Carbonate	Δ lim . . . . . Limonite	Δ ss . . . . . .Sandstone	Δ Zn . . . . . .Zinc
Δ cel . . . . . .Celestite	Δ Li. . . . . Lithium	Δ scap . . . . . Scapolite	Δ zr. . . . . Zircon
Δ cc. . . . . .Chalcocite	Δ mgst . . . . . .Magnesite	Δ shee . . . . . .Scheelite	
Δ cp. . . . . .Chalcopyrite	Δ mag . . . . . .Magnetite	Δ serp . . . . . Serpentine	
Δ ch. . . . . .Chert	Δ mc . . . . . .Malachite	Δ sh. . . . . .Shale	
Δ clay . . . . . .Clay	Δ Mn . . . . . Manganese	Δ sid . . . . . Siderite	
Δ Co . . . . . Cobalt	Δ mb . . . . . .Marble	Δ si . . . . . .Silica	
Δ cob. . . . . Cobaltite	Δ mar. . . . . Marcasite	Δ Ag . . . . . .Silver	
Δ cb. . . . . .Columbite	Δ ma . . . . . .Marl	Δ sl . . . . . Slate	
Δ Cu . . . . . .Copper	▲ mi . . . . . Mica	Δ sm . . . . . .Smaltite	
Δ cor . . . . . Corundum	Δ ml . . . . . .Millerite	Δ sod. . . . . Sodalite	
Δ dol . . . . . Dolomite	Δ mo . . . . . .Molybdenite	Δ spec . . . . . Specularite	
Δ ep. . . . . Epidote	Δ Mo . . . . . .Molybdenum	Δ sp. . . . . .Sphalerite	
Δ ery . . . . . Erythrite	Δ mon . . . . . Monazite	Δ spd. . . . . .Spodumene	
Δ fel . . . . . .Feldspar	Δ ne. . . . . Nephelite (nepheline)	Δ staur. . . . . .Staurolite	
Δ fl . . . . . .Fluorite (flurospar)	Δ nc. . . . . .Niccolite	Δ stib. . . . . Stibnite	

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or listed in Drillhole Summary.

CLARKSON TOWNSHIP

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			
	No data available as of January 18, 1988				

GDIF FORM NO. 1

4 CLARKSON TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Haberer, Joseph			70[1]																
2	Knox, John J.				64															
3	MacDonnell, Thelma [2]																			
4	Trudeau, Timothy [2]																			
5	Haberer, Joseph [2]																			
6	Selco Mining Corp. Ltd. (1981)				81															

GDIF FORM NO. 2

[1] not shown on map

[2] no data available as of January 18, 1988

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1	Knox, John J.	1	64	025	-45	0	101	mi	
2	Selco Mining Corp. Ltd. (1981)	6110-4-1	81	026	-45	4	69	mi,gt,py po	
3	Selco Mining Corp. Ltd. (1981)	6110-4-2	81	206	-45	2	69	mi,py,po, gf,gt	

GDIF FORM NO. 3

6 CLARKSON TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No data available as of January 18, 1988				

GDIF FORM NO. 4

CLARKSON TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
	No data available as of January 18, 1988			

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No data available as of January 18, 1988			

LANDSAT COLOUR PHOTO - NTS 31 M

LS	TR	FR	Date of Imagery	Band	Cycle/Day
2	20	27	13/10/81	C_1	136/10

on file in Cobalt office

GDIF FORM NO. 6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Cobalt

No data available as of January 18, 1988

ODM GENERAL INDEX SEARCH

Words searched: Clarkson Township
Haberer, Joseph
Jocko River
Knox, J.

Index Volume	Listing:	Report Volume	Part	Page
1	Jocko River, Ottawa River Agricultural land along	*R.C.[1]		58

* Out of Print

1 - R.C.-Report of the Royal Commission on the Mineral Resources of Ontario, 1890

GDI FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched: -

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ayers, L.D. Lumbers, S.B. Milne, V.G. Robeson, D.W.	1971	Ontario Geological Map, East Central Sheet	ODMNA Map 2198	1:1 013 760
Card, K.D. et al	1971	Sudbury-Cobalt Sheet, Geological Compilation Series, Algoma, Manitoulin, Nipissing, Parry Sound, Sudbury and Timiskaming Districts, Ontario	ODMNA Map 2188	1:253 440
Card, K.D. Lumbers, S.B.	1977	Sudbury-Cobalt, NTS 31L/W, 31M/SW, 41I, 41P/S, Sudbury and all 5 Districts	OGS Map 2361	1:253 440
Lumbers, S.B. Milne, V.G.	1979	Ontario Geological Map, East Central Sheet, NTS 31/NW, 32/W, 41/N, 42	OGS Map 2393	1:1 013 760
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 1: Southern Ontario; Grenville Province and Environs, Ar-Ar and K-Ar Isotopic Systems	OGS Map P.2840	1:1 013 760
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 2: Southern Ontario; Grenville Province and Environs, Rb-Sr, Nd, Sm, U-Pb and other Isotopic Systems	OGS Map P.2841	1:1 013 760
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 3: East Central Ontario, All Isotopic Systems	OGS Map P.2842	1:1 013 760

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS		
	1965	Témiscaming, Ontario-Quebec, NTS 31L/11	GSC Map 1479G	1:63 360
GSC-OGS	1978	Airborne Gamma-Ray Spectrometry Maps and Profiles	OGS Map Set 1649-1687	1:250 000
Gupta, V.K. Wadge, D.R.	1980	Bouger Gravity and Generalized Geological Map, North Bay-Marten River Area, NTS 31L/W, 41I/E, Districts of Nipissing and Sudbury, Ontario	OGS Map 2297	1:100 000
Gupta, V.K. Grant, F.S. Boud, A.	1981	A Gravity Study in North-Central Ontario, Districts of Sudbury, Nipissing and Timiskaming; in Summary of Field Work, 1981, edited by J. Wood et al, OGS	OGS MP 100	No. 26 pp. 160-164
Gupta, V.K.	1982	Gravity and Aeromagnetic Studies in North-Central Ontario: A Progress Report in Summary of Field Work, 1982, edited by J. Wood et al, OGS	OGS MP 106	No. 24 pp. 165-167
		Geophysical Map	GSC Map 7066G	1:253 440
		Earth Physics Branch Gravity Map Series	EPB Maps No. 84 & No. 134	1:50 000
Gupta, V.K.	1985	Cobalt Embayment Interpretation: Depth to Basement and Distribution of Nipissing Diabase from Aeromagnetics; in Summary of Field Work and Other Activities, 1985, edited by J. Wood, Owen L. White, R.B. Barlow, A.C. Colvine, Ontario Geological Survey	OGS MP 126	pp. 178-181

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
	1975	Témiscaming, Ontario/Quebec topographic	NTS 31L/11	1:50 000
	1978	North Bay, topographic	NTS 31L	1:250 000
Vincent, J-S., Hardy, L.	1979	The Evolution of Glacial Lakes Barlow and Ojibway, Quebec and Ontario	GSC Bull. 316	
Gartner, J.F.	1980	Tomiko Area, NTS 31L/NW, Nipissing District, Ontario	NOEGTS 96 OGS Map 5040	1:100 000
	1982	Ontario Basic Maps	MNR Maps 20 17 6300 51600 20 17 6400 51600 20 17 6300 51700 20 17 6400 51700	1:20 000
		Clarkson Township Claim Map	MNR Map M-720	1:40 chains
		Tomiko, Topographic	NTS 31L/NW	1:126 720
		MINERAL POTENTIAL		
Springer, J.S.	1978	Ontario Mineral Potential, Parts of North Bay, Deep River and Ville Marie, NTS 31 K,L,M, Renfrew County and 2 Districts, Ontario	OGS Map P.1510	1:250 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL		
Vos, M.A. Smith, B.A. Stevenato, R.S.	1981	Industrial Minerals of the Sudbury Area, NTS 31/E, 31L, 41H, 41I, Sudbury, Nipissing, Parry Sound and Manitoulin Districts	OGS OFR 5329	
Robertson, J.A.	1982	Uranium and Thorium Deposits of Ontario, East Central Sheet, NTS 31/NW, 32/W, 41/N, 42	OGS Map P.2426	1:1 013 760
Springer, J.S. Robertson, J.A. Vos, M.A.	1982	Mineral Potential Map of Ontario, East Central Sheet, NTS 31/NW, 32/W, 41/N, 42	OGS OFR 5327	
Yundt, S.E.	1982	Industrial Minerals of Ontario	OGS Map P.2591	1:1 500 000
Vos, M.A. Abolins, T. McKnight, R.L.W. Smith, V.	1983	Industrial Minerals of Northern Ontario, Parts 1 and 2, NTS 31/NW, 32/W, 41/N, 42, 43, 52, 53	OGS OFR 5386	
Vos, M.A. Smith, V.	1983	Industrial Minerals of Northern Ontario - Supplement 2	OGS OFR 5439	
		GEOCHEMICAL		
		No data available as of January 18, 1988		

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Bell, R.	1892	The Laurentian and Huronian Systems North of Lake Huron	*OBM AR, 1891, Volume 1	pp. 63-94
Bell, R.	1892	Map of Parts of Districts of Nipissing and Algoma Exhibiting the Country around Sudbury and Eastward to Ottawa River	*OBM Map 1a	1:253 440
Barlow, A.E.	1899	Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets, Comprising Portions of the District of Nipissing, Ontario and the County of Pontiac, Quebec	*GSC Annual Report X, Pt.I *GSC Maps 599 and 606	
Barlow, A.E.	1908	Second Edition of a Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets	*GSC Separate Report 962 *GSC Map 944	
Roscoe, S.M.	1957	Geology and uranium deposits, Quirke Lake - Elliot Lake - Blind River Area, Ontario (Preliminary Report)	GSC Paper 56-1	
Lumbers, S.B.	1967	Tomiko Sheet, District of Nipissing, Ontario	ODM Map P.394	1:126 720

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Lumbers, S.B.	1971	Tomiko Area, East Half, Nipissing District, Ontario	ODMNA Map P.679	1:63 360
Owsiacki, L.	1986	Cobalt Resident Geologist's Area, Northeastern Region; in Report of Activities 1986, Regional and Resident Geologists, edited by C.R. Kustra, Ontario Geological Survey	MP 134	pp. 219-232
Owsiacki, L., Anderson, D.P.	1987	Cobalt Resident Geologist's Area, Northeastern Region; in Report of Activities 1987, Regional and Resident Geologists, edited by C.R. Kustra, Ontario Geological Survey	MP 138	pp. 285-305
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
		No data available as of January 18, 1988		
		* Out of Print		

GDIF FORM NO.9

NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data.

On the maps only areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

No present of past producers.

AIR PHOTOS - on file in Toronto

Only 1977 photos are available for viewing at the Public Service Centre, Rm. 1640, Whitney Block.

Photos can also be ordered from here for the years 1946, 1958 and 1970.

Year	Roll	Strip	Photo
1946	033	146	82-88
	033	147	68-75
	033	148	06-13
	029	149	34-41
	029	150	127-134
1958	059	4629	24-30
	059	4628	81-88
	059	4627	120-127
	051	4626	24-30
1970	036	4629	43-50
	033	4628	222-230
	033	4627	164-171
	033	4626	104-112
1977	020	4630	200-207
	022	4629	240-246
	023	4628	95-102
	023	4627	143-150
	023	4626	193-200

GDIF FORM NO.10

WYSE

79°15'

79°10'

GARROW

46°40'

POITRAS

46°40'

4

1

6

6

3

2

5

McDougal Cr.

Turnbull

Lake

JOCKO

Little

Ontario

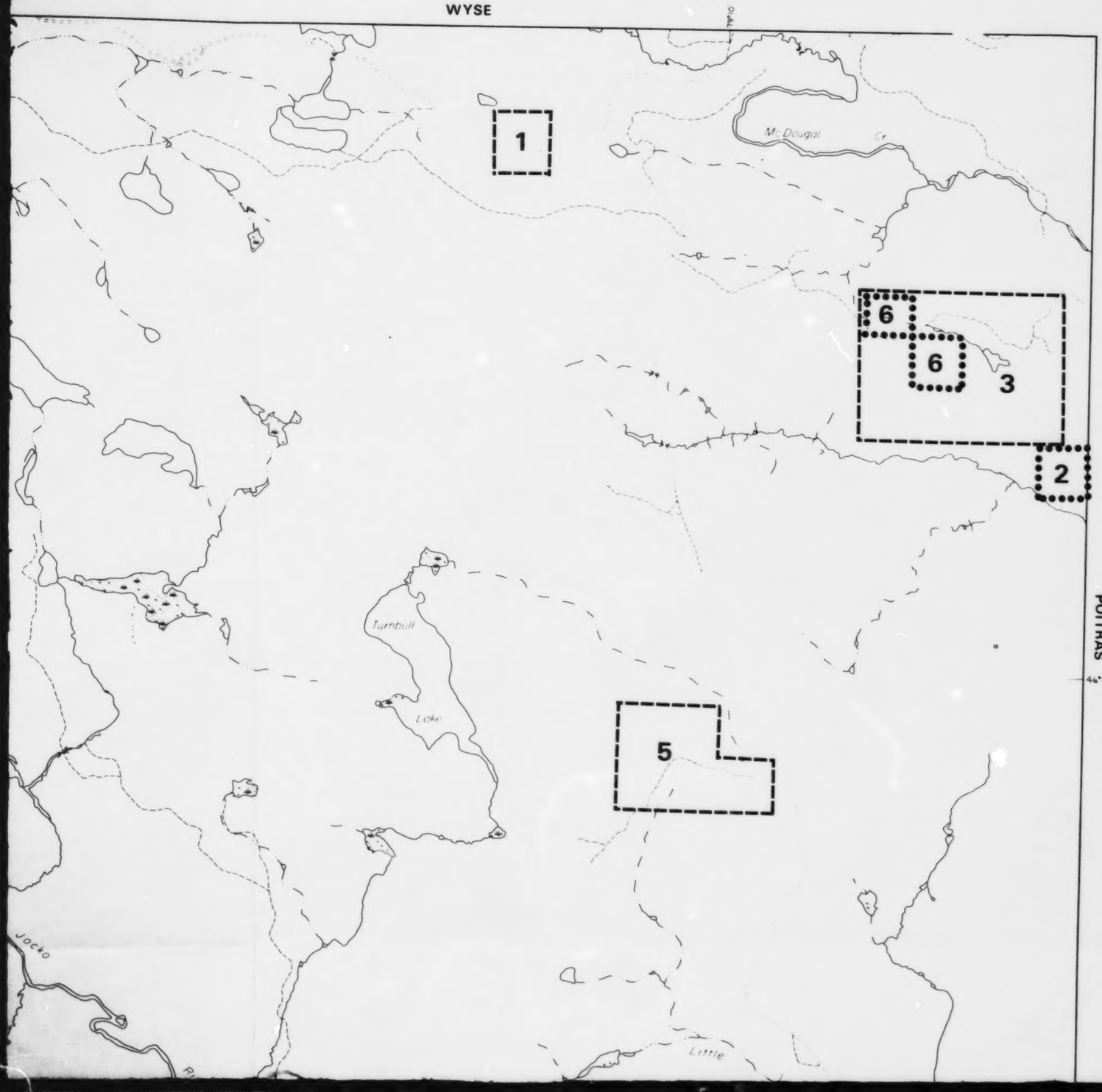
GEOLOG

CLA

Kilometr

Mile 0.5

WYSE



POITRAS

45°40'

Ontario

Ministry of Northern Development and Mines

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 479(CO)

(Map 1 of 2)

CLARKSON TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GARROW

46°40

POITRAS

46°40'

Turnbull

Lake

JOCKO

River

Little

Fournier

River

Fournier

River

63

6

6

3

2

5

Kilometre 0.5

Mile 0.5

CLAR

EXPL

Referen
See listi

Small a

File cov

79°15'

JOCKO

79°10'

(Map 1 of 2)

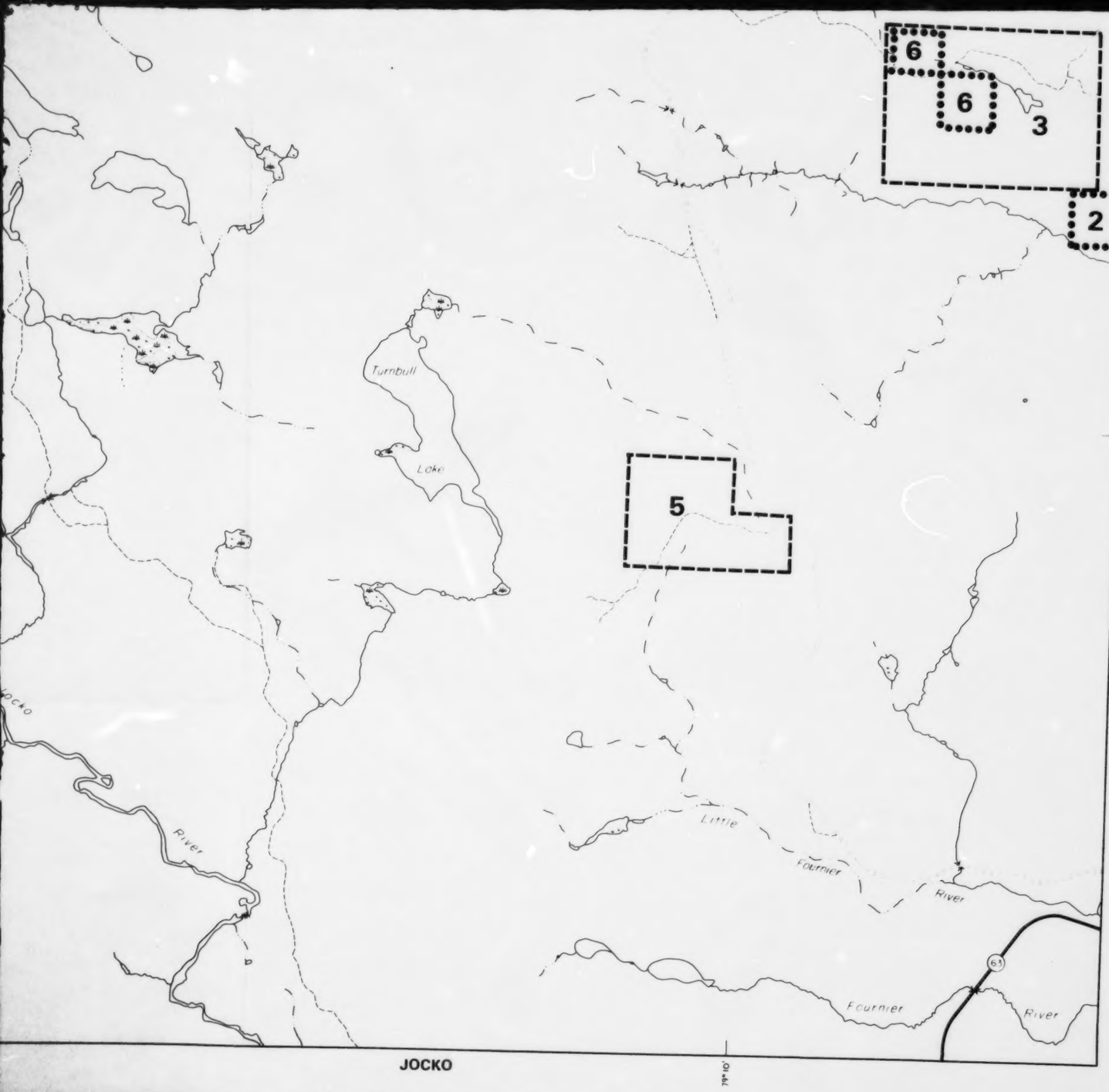
CLARKSON TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration

File covers whole township or area

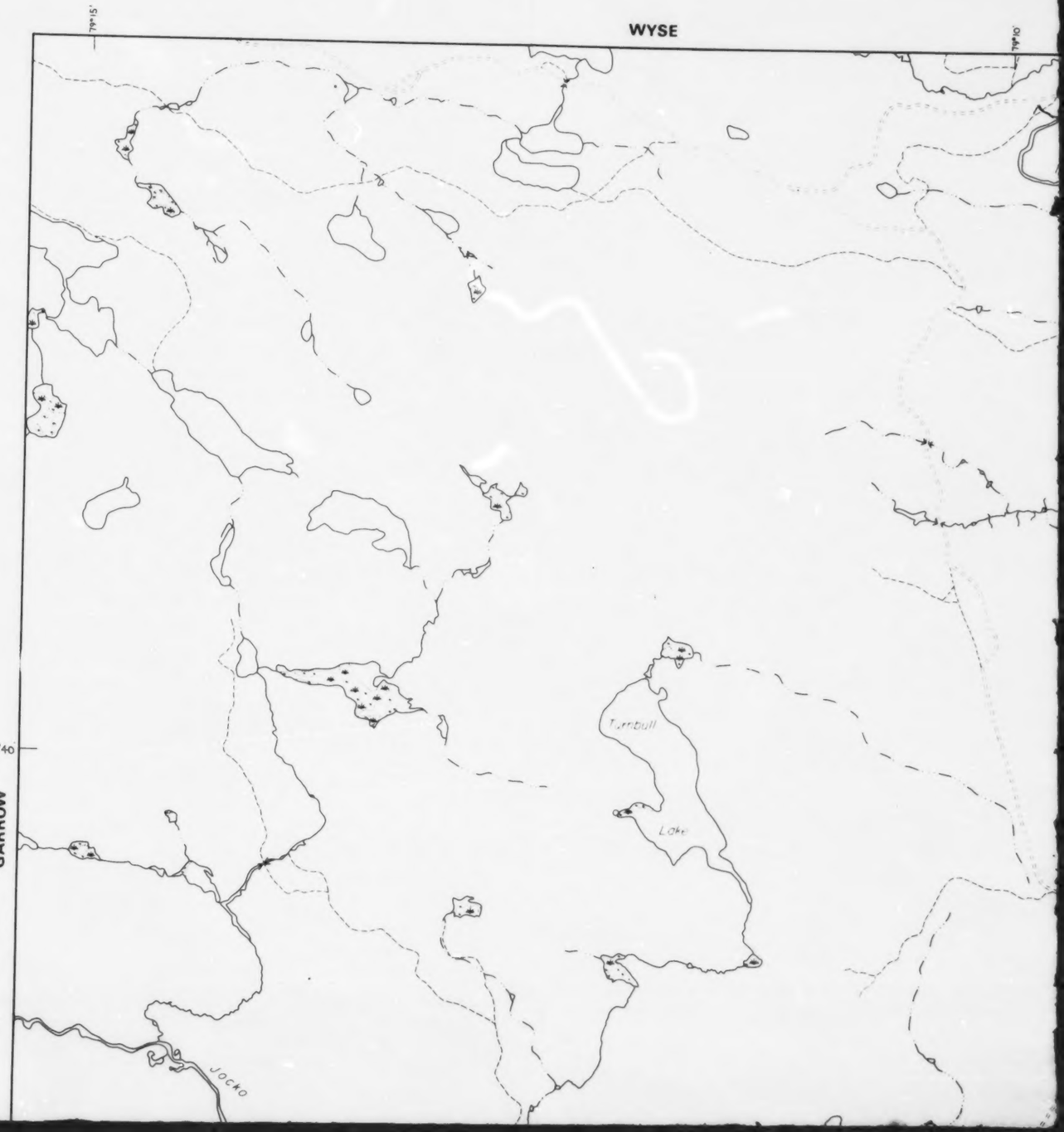
TYPES OF DATA SHOWN ON THIS MAP

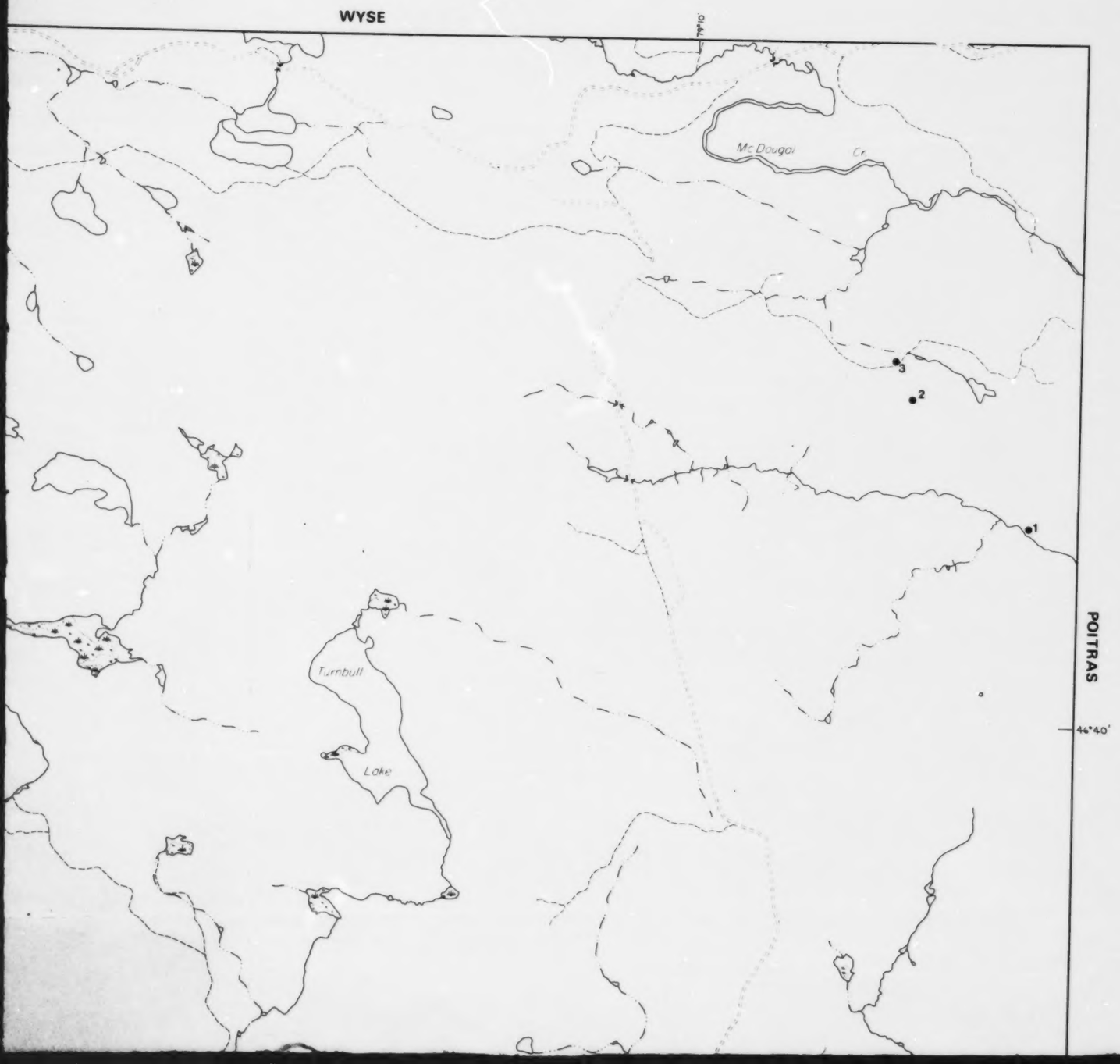
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ Geochemical sample site, with reference number
- ☐ ◆³ Area of geochemical sampling, with reference number
- ☐ ✳² Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐ —AM— Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ —ARA— Airborne radiometric anomaly
- ☐ —M— Ground magnetic anomaly
- ☐ —VL— Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq.; Turam; JEM - Crone Em - 16)
- ☐ —RA— Ground radiometric anomaly
- ☐ —IP— Induced polarization anomaly
- ☐ —SP— Self potential anomaly
- ☐ —AFMAG— Audio-frequency magnetic anomaly (total intensity)
- ☐ —R— Resistivity anomaly
- ☐ —GR— Gravity anomaly





Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 479(CO)

(Map 2 of 2)

CLARKSON TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- -ARA- Airborne radiometric anomaly
- -M- Ground magnetic anomaly
- -VL- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
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- -RA- Ground radiometric anomaly
- -IP- Induced polarization anomaly
- -SP- Self potential anomaly
- -AFMAG- Audio-frequency magnetic anomaly
  (total intensity)
- -R- Resistivity anomaly
- -GR- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- ■ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

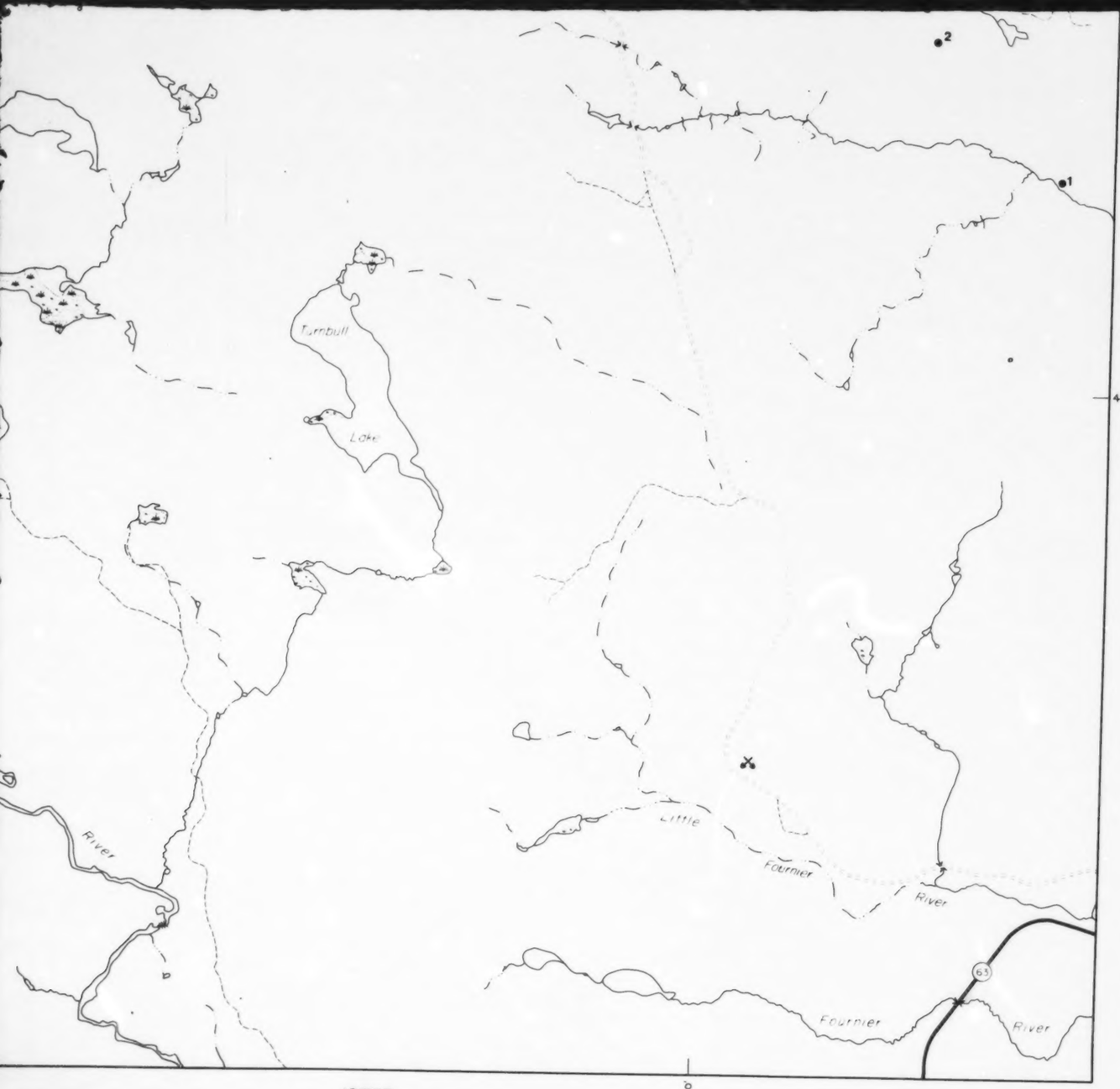
CLARKSON TOWNSHIP

DISTRICT OF NIPISSING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



GEOLOGICAL AND MINING SYMBOLS

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- ☐ cp A. — Mineralized float with reference letter
- ☐ A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- ■ •² — Location of single drillhole, with reference number
- ☐ ◉² — Location of closely spaced group of drillholes, with reference number
- ☐ (?)² — Drillhole, exact location uncertain, with reference number
- ☐ ◡ — Property with underground drillholes in this general area, with reference number
- ☐ ○² — Property with drillholes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse circulation drillhole; churn drilling, with reference number